

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P416681

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7201 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

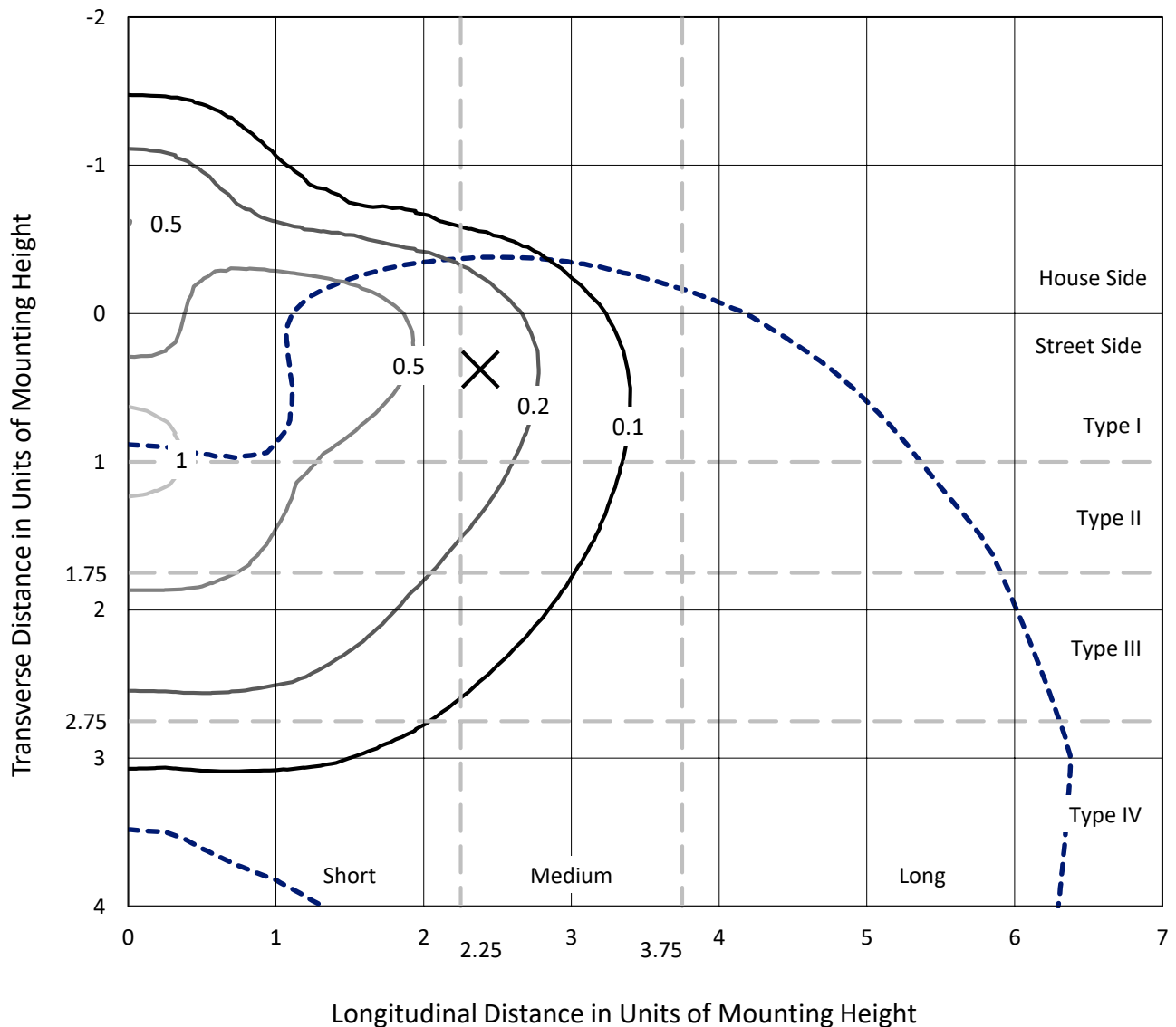


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

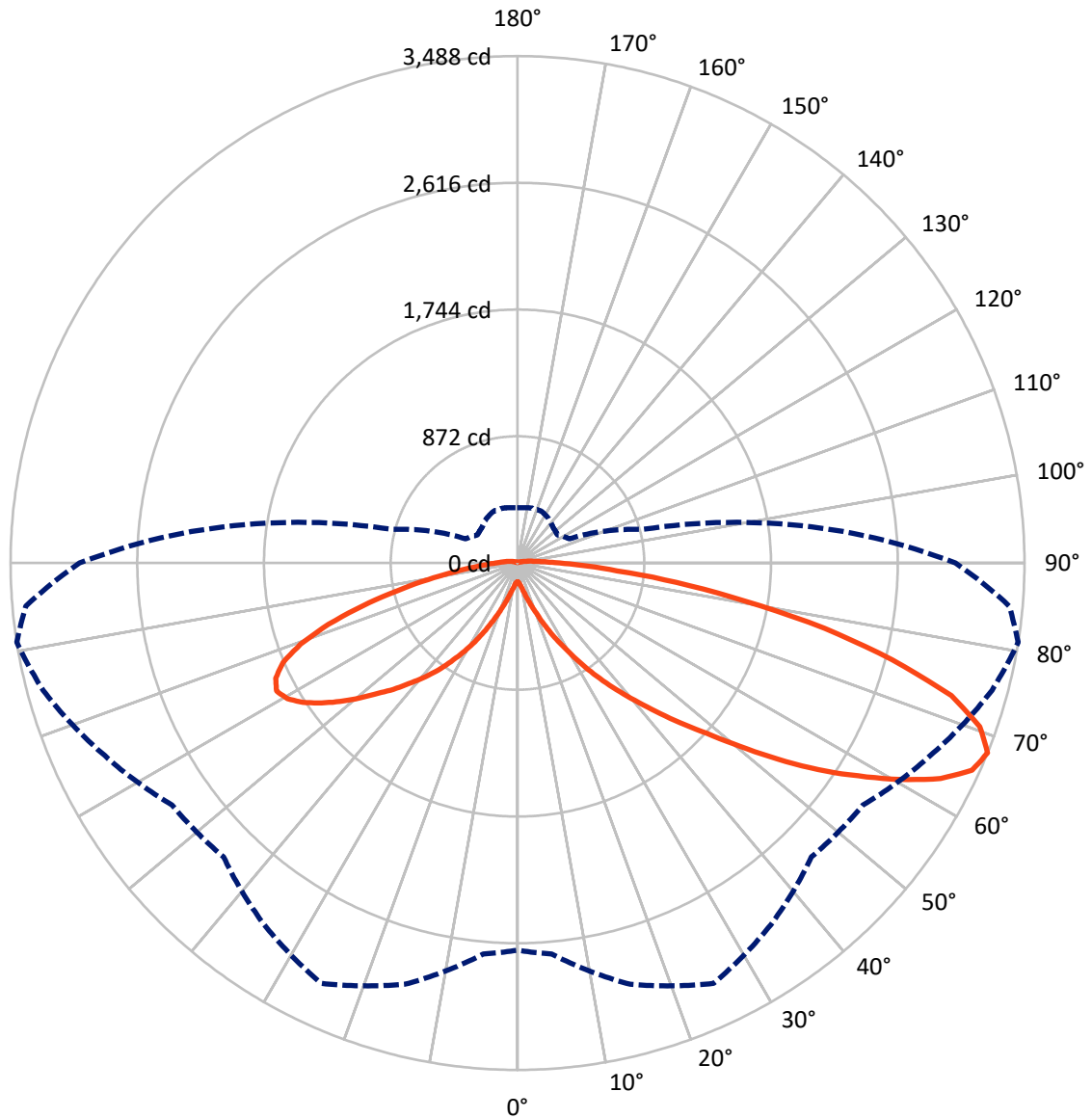


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1576.3	112.1	1688.4
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5371.6	141.0	5512.6
	% Fixture	74.6	2.0	76.6
Total	Lumens	6947.9	253.1	7201.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.2
10°-20°	74.3	1.0
20°-30°	221.7	3.1
30°-40°	481.4	6.7
40°-50°	844.1	11.7
50°-60°	1337.7	18.6
60°-70°	1805.2	25.1
70°-80°	1548.9	21.5
80°-90°	619.7	8.6
90°-100°	150.8	2.1
100°-110°	53.0	0.7
110°-120°	24.3	0.3
120°-130°	13.1	0.2
130°-140°	7.4	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6947.9	96.5
0°-180°	7201.0	100.0



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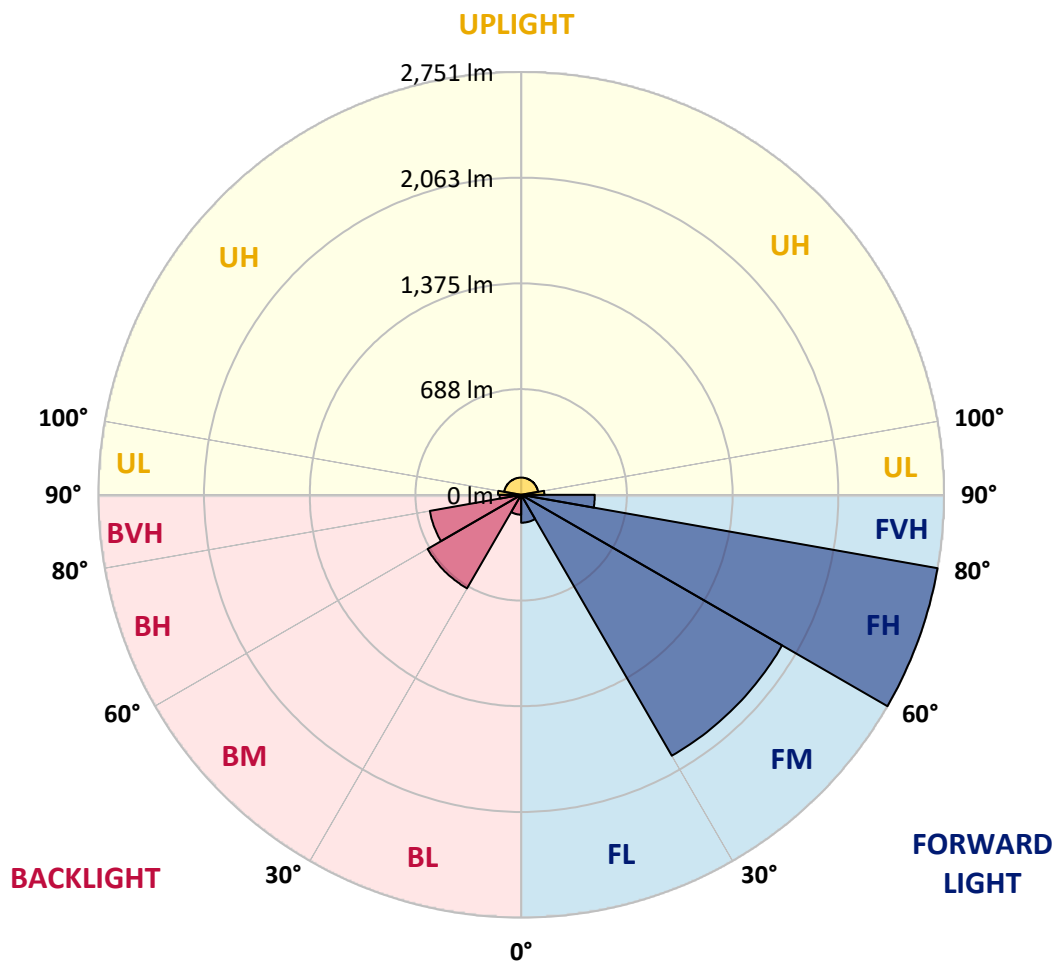
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.7	2.5			
FM (30°-60°)	1960.0	27.2			
FH (60°-80°)	2751.0	38.2			G2/5000
FVH (80°-90°)	479.0	6.7			G3/500
BL (0°-30°)	129.3	1.8	B1/500		
BM (30°-60°)	703.2	9.8	B1/1000		
BH (60°-80°)	603.1	8.4	B2/1000		G2/1000
BVH (80°-90°)	140.7	2.0			G2/225
UL (90°-100°)	150.8	2.1		U3/500	
UH (100°-180°)	112.1	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	141.3	140.5	140.5	141.3	141.3	141.3	138.8	136.3	133.8	133.0	132.1
5°	160.6	158.9	158.9	158.9	158.1	155.6	152.2	148.9	145.5	143.8	142.2
7.5°	185.7	184.8	184.0	181.5	180.6	176.5	171.4	166.4	161.4	159.7	158.1
10°	220.0	219.1	214.9	214.1	209.9	205.7	198.2	190.7	184.0	181.5	179.0
12.5°	263.4	263.4	257.6	250.9	245.9	237.5	230.8	221.6	216.6	213.3	209.9
15°	320.3	317.0	309.4	301.9	288.5	278.5	268.5	263.4	260.1	255.9	250.9
17.5°	383.0	378.9	372.2	357.1	339.5	325.3	316.1	311.1	309.4	306.9	301.1
20°	458.3	453.3	444.1	420.7	401.4	382.2	371.3	368.8	370.5	366.3	360.5
22.5°	547.8	544.4	525.2	495.9	469.2	442.4	432.4	434.1	437.4	443.3	439.9
25°	649.8	641.5	623.1	581.2	536.9	511.0	501.0	508.5	523.5	531.9	525.2
27.5°	768.6	763.6	726.8	672.4	614.7	579.6	572.0	593.8	619.7	626.4	626.4
30°	894.0	897.4	843.9	779.5	706.7	658.2	649.0	679.9	724.3	728.4	739.3
32.5°	1052.9	1047.1	991.0	885.7	799.5	736.8	731.0	774.4	830.5	852.2	852.2
35°	1219.4	1213.5	1144.9	1020.3	900.7	819.6	823.8	869.8	945.9	973.5	977.7
37.5°	1410.9	1391.7	1317.2	1162.5	1011.1	915.8	908.3	977.7	1067.2	1106.5	1106.5
40°	1621.6	1610.8	1507.1	1323.9	1124.0	1015.3	1009.4	1089.7	1198.5	1241.9	1250.3
42.5°	1826.5	1812.3	1716.1	1480.3	1254.5	1120.7	1121.5	1209.3	1333.9	1394.2	1405.0
45°	2043.2	2029.8	1924.4	1672.7	1395.8	1251.1	1241.1	1350.7	1499.5	1566.4	1579.0
47.5°	2235.5	2226.3	2135.1	1864.2	1571.5	1390.8	1377.4	1503.7	1676.0	1750.4	1788.1
50°	2444.6	2432.9	2347.6	2068.2	1746.3	1539.7	1538.8	1674.3	1890.1	1980.4	2011.4
52.5°	2614.4	2601.0	2541.6	2273.1	1919.4	1713.6	1699.4	1865.8	2111.7	2241.4	2256.4
55°	2770.8	2765.7	2745.7	2493.1	2130.1	1884.2	1893.4	2090.8	2364.3	2510.7	2533.2
57.5°	2883.7	2890.4	2899.6	2713.9	2336.7	2074.9	2091.7	2316.6	2626.9	2763.2	2794.2
60°	2960.6	2984.0	3045.1	2906.2	2547.5	2283.2	2311.6	2539.9	2879.5	3025.0	3050.1
62.5°	2966.5	2991.5	3133.7	3086.1	2749.8	2496.4	2529.1	2769.9	3105.3	3266.7	3269.2
65°	2855.2	2889.5	3117.0	3183.1	2928.0	2700.5	2729.8	2974.8	3294.3	3437.3	3385.5
67.5°	2663.7	2699.7	3000.7	3191.4	3038.4	2859.4	2901.2	3133.7	3379.6	3487.5	3395.5
70°	2386.0	2421.2	2738.1	3065.1	3058.5	2953.1	3008.3	3199.0	3363.7	3374.6	3245.0
72.5°	2021.4	2018.1	2360.1	2789.2	2947.2	2945.5	3033.4	3149.6	3182.2	3121.2	2928.8
75°	1548.0	1591.5	1903.5	2390.2	2693.8	2812.6	2901.2	2945.5	2851.9	2662.9	2454.6
77.5°	1109.0	1144.9	1428.4	1884.2	2317.5	2536.6	2634.4	2613.5	2381.0	2159.4	1920.2
80°	734.3	755.2	991.9	1406.7	1868.4	2122.6	2240.5	2160.2	1865.0	1581.5	1374.9
82.5°	440.7	475.0	623.9	988.5	1385.8	1677.7	1749.6	1615.8	1331.4	1100.6	949.2
85°	266.8	274.3	388.1	632.3	967.6	1206.8	1275.4	1131.6	875.6	687.5	570.4
87.5°	149.7	163.1	240.0	411.5	650.7	838.0	862.3	745.2	549.5	426.5	357.1
90°	87.8	97.0	147.2	255.1	414.8	541.9	548.6	450.8	325.3	256.8	228.3
92.5°	56.0	62.7	97.9	163.9	266.8	352.1	342.9	278.5	208.2	171.4	148.0
95°	40.1	43.5	68.6	112.9	179.0	221.6	218.3	174.8	139.7	119.6	108.7
97.5°	30.1	33.5	53.5	82.8	120.4	148.9	145.5	116.2	97.0	87.8	83.6
100°	25.1	26.8	43.5	65.2	89.5	107.1	105.4	86.1	72.8	66.1	64.4
102.5°	21.7	23.4	36.0	52.7	71.1	82.8	79.5	66.9	55.2	49.3	47.7
105°	19.2	20.1	30.9	45.2	58.5	65.2	64.4	53.5	42.7	36.8	36.0
107.5°	17.6	18.4	26.8	38.5	49.3	55.2	53.5	43.5	32.6	28.4	27.6
110°	15.9	16.7	23.4	33.5	41.8	46.8	44.3	36.0	25.9	21.7	21.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	15.1	15.1	20.9	28.4	36.0	40.1	37.6	29.3	20.1	17.6	18.4
115°	14.2	14.2	18.4	25.1	31.8	35.1	31.8	24.3	16.7	15.1	15.1
117.5°	13.4	13.4	16.7	22.6	28.4	30.9	27.6	20.9	14.2	12.5	13.4
120°	12.5	13.4	15.9	20.1	25.1	26.8	24.3	17.6	11.7	11.7	12.5
122.5°	12.5	12.5	15.1	18.4	22.6	23.4	20.9	15.1	10.9	10.9	10.9
125°	12.5	12.5	14.2	16.7	20.1	20.9	17.6	12.5	10.0	10.0	10.0
127.5°	12.5	12.5	13.4	15.9	17.6	18.4	15.9	11.7	9.2	9.2	10.0
130°	11.7	12.5	12.5	14.2	15.9	15.9	13.4	10.0	8.4	8.4	9.2
132.5°	11.7	11.7	12.5	13.4	14.2	14.2	11.7	9.2	7.5	8.4	8.4
135°	11.7	11.7	11.7	12.5	13.4	12.5	10.0	7.5	6.7	7.5	7.5
137.5°	10.9	10.9	10.9	11.7	11.7	10.9	9.2	6.7	6.7	6.7	6.7
140°	10.0	10.0	10.0	10.0	10.9	10.0	7.5	5.9	5.9	5.9	5.9
142.5°	9.2	9.2	9.2	9.2	9.2	8.4	6.7	5.0	5.0	5.0	5.0
145°	8.4	8.4	8.4	8.4	7.5	6.7	5.0	4.2	4.2	5.0	5.0
147.5°	6.7	6.7	6.7	6.7	6.7	5.9	4.2	3.3	4.2	4.2	4.2
150°	5.9	5.9	5.9	5.9	5.0	5.0	3.3	3.3	3.3	4.2	4.2
152.5°	4.2	4.2	4.2	5.0	4.2	3.3	2.5	2.5	3.3	3.3	3.3
155°	3.3	3.3	3.3	3.3	3.3	2.5	1.7	2.5	3.3	3.3	3.3
157.5°	1.7	2.5	2.5	2.5	2.5	2.5	1.7	2.5	2.5	2.5	2.5
160°	0.8	0.8	1.7	1.7	2.5	2.5	1.7	1.7	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	132.1	131.3	130.5	129.6	128.8	128.8	128.0	127.1	126.3	125.4	125.4
5°	141.3	139.7	137.2	135.5	133.8	133.8	132.1	131.3	129.6	128.8	128.8
7.5°	155.6	154.7	149.7	147.2	144.7	143.8	142.2	140.5	138.8	138.8	138.8
10°	176.5	174.0	169.8	163.1	160.6	158.9	156.4	154.7	154.7	155.6	155.6
12.5°	208.2	201.6	195.7	186.5	181.5	178.1	176.5	177.3	181.5	183.2	181.5
15°	245.0	243.4	229.2	215.8	205.7	199.0	203.2	208.2	214.1	215.8	218.3
17.5°	296.1	290.2	271.0	251.7	233.3	230.0	235.0	243.4	250.1	255.1	259.3
20°	357.1	347.1	323.7	290.2	269.3	264.3	267.6	279.3	291.9	301.9	302.8
22.5°	434.1	419.0	377.2	335.4	304.4	296.1	300.2	318.6	337.0	349.6	348.7
25°	517.7	499.3	443.3	383.0	340.4	325.3	332.9	357.1	383.0	398.1	399.8
27.5°	611.4	593.0	515.2	429.0	373.0	350.4	363.0	390.6	425.7	444.1	447.4
30°	721.8	696.7	587.1	478.4	403.1	373.8	385.5	421.5	460.0	485.9	489.3
32.5°	836.3	797.0	659.0	518.5	424.0	388.9	402.3	444.1	488.4	516.9	521.9
35°	955.1	906.6	731.8	552.8	439.1	398.1	411.5	458.3	505.1	536.1	540.3
37.5°	1088.9	1024.5	797.9	578.7	447.4	400.6	414.0	460.8	508.5	538.6	542.8
40°	1223.5	1137.4	853.1	594.6	448.3	398.1	409.0	454.1	499.3	525.2	529.4
42.5°	1368.2	1256.2	908.3	598.8	444.1	391.4	400.6	440.7	479.2	499.3	501.8
45°	1530.5	1393.3	955.1	595.5	432.4	381.4	388.1	422.3	452.5	461.7	465.8
47.5°	1701.9	1528.8	991.0	585.4	420.7	370.5	374.7	403.1	422.3	423.2	424.0
50°	1911.0	1693.6	1035.4	571.2	404.8	360.5	363.0	385.5	394.7	390.6	388.9
52.5°	2140.2	1870.0	1063.8	548.6	390.6	351.3	353.8	371.3	374.7	365.5	366.3
55°	2389.4	2034.8	1088.1	526.9	375.5	345.4	350.4	364.6	364.6	352.9	352.1
57.5°	2621.9	2202.9	1098.9	499.3	363.0	341.2	349.6	363.8	362.1	351.3	350.4
60°	2846.9	2340.0	1085.6	472.5	354.6	339.5	354.6	369.7	368.0	358.8	357.9
62.5°	3002.4	2426.2	1052.1	445.8	347.1	342.1	360.5	378.0	378.0	368.0	368.0
65°	3069.3	2416.2	983.5	419.0	341.2	343.7	368.8	387.2	385.5	377.2	375.5
67.5°	3013.3	2325.0	891.5	393.1	336.2	345.4	373.0	392.2	390.6	381.4	379.7
70°	2833.5	2133.5	780.3	369.7	329.5	342.9	374.7	391.4	388.9	380.5	377.2
72.5°	2475.5	1835.7	664.0	347.1	319.5	337.0	369.7	384.7	382.2	375.5	371.3
75°	2039.0	1480.3	548.6	322.0	306.9	326.2	358.8	372.2	368.8	363.0	358.8
77.5°	1558.9	1118.2	453.3	298.6	291.9	312.0	343.7	353.8	350.4	345.4	342.9
80°	1103.1	796.2	364.6	272.6	270.1	290.2	317.0	327.8	326.2	321.2	317.0
82.5°	725.9	529.4	291.0	243.4	245.0	266.0	286.0	291.9	291.0	286.9	281.8
85°	447.4	348.7	229.2	209.9	217.4	234.2	250.9	251.7	249.2	248.4	240.9
87.5°	285.2	238.4	179.8	178.1	189.0	203.2	210.8	207.4	209.1	209.1	203.2
90°	185.7	167.3	143.8	148.9	160.6	171.4	174.8	165.6	170.6	168.1	165.6
92.5°	134.6	124.6	117.1	123.8	135.5	145.5	143.8	133.8	136.3	136.3	135.5
95°	102.0	97.0	97.9	104.5	113.7	120.4	117.1	108.7	109.6	107.9	105.4
97.5°	80.3	79.5	82.8	87.8	96.2	100.4	97.0	89.5	88.7	86.1	85.3
100°	63.6	64.4	69.4	75.3	80.3	83.6	81.1	73.6	70.3	66.1	65.2
102.5°	49.3	51.0	57.7	62.7	67.7	70.3	67.7	61.9	56.0	51.9	51.0
105°	38.5	40.1	47.7	52.7	56.9	58.5	56.9	50.2	44.3	39.3	39.3
107.5°	30.1	31.8	39.3	45.2	47.7	49.3	46.8	41.8	35.1	30.9	30.9
110°	24.3	25.9	32.6	37.6	40.1	41.8	39.3	33.5	28.4	25.1	25.1



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.2	21.7	26.8	31.8	34.3	35.1	32.6	28.4	22.6	20.9	20.9
115°	16.7	18.4	22.6	26.8	29.3	29.3	27.6	23.4	18.4	17.6	17.6
117.5°	14.2	15.9	19.2	23.4	25.1	25.1	23.4	19.2	15.9	15.1	15.1
120°	13.4	14.2	16.7	20.1	21.7	21.7	20.1	16.7	13.4	13.4	13.4
122.5°	11.7	12.5	15.1	17.6	19.2	19.2	17.6	14.2	11.7	12.5	12.5
125°	10.9	11.7	13.4	15.1	16.7	16.7	15.1	12.5	10.9	10.9	10.9
127.5°	10.0	10.9	11.7	13.4	14.2	14.2	13.4	10.9	10.0	10.0	10.0
130°	9.2	10.0	10.9	11.7	12.5	12.5	10.9	9.2	9.2	9.2	9.2
132.5°	9.2	9.2	9.2	10.0	10.9	10.9	10.0	8.4	8.4	8.4	8.4
135°	8.4	8.4	8.4	8.4	9.2	9.2	8.4	7.5	7.5	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	8.4	8.4	7.5	6.7	6.7	6.7	6.7
140°	6.7	6.7	6.7	5.9	6.7	6.7	5.9	5.9	5.9	5.9	5.9
142.5°	5.0	5.9	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.0	5.0
145°	5.0	5.0	5.0	4.2	4.2	4.2	4.2	3.3	4.2	4.2	4.2
147.5°	4.2	4.2	4.2	3.3	2.5	3.3	2.5	3.3	3.3	3.3	3.3
150°	4.2	4.2	3.3	3.3	2.5	1.7	1.7	2.5	2.5	2.5	2.5
152.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.8	1.7	1.7	1.7	1.7
155°	3.3	3.3	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.5	2.5	2.5	1.7	1.7	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.5	2.5	2.5	1.7	0.8	0.8	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)